

Query Match 1.0%; Score 19; DB 9; Length 306;  
 Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 894 TCGGAATGATTTTAAAG 912  
 DB 225 TCGGAATGATTTTAAAG 243

RESULT 27  
 LOCUS AV117891 319 bp mRNA linear EST 30-JUN-1999  
 DEFINITION AV117891 Mus musculus C57BL/6J 10-day embryo Mus musculus cDNA  
 clone 2610205N14, mRNA sequence.  
 AV117891  
 VERSION AV117891.1 GI:5300042  
 KEYWORDS EST.  
 SOURCE house mouse.  
 ORGANISM Mus musculus  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 319)  
 Carninci, P., Shibata, K., Ozawa, Y., Konno, H., Itoh, M., Aizawa, K.,  
 Aashita, S., Akiyama, J., Fukuda, S., Fukunishi, Y., Funayama, T., Hara  
 A., Hayatsu, N., Horii, F., Ishikawa, T., Itoh, M., Izawa, M., Kawai, J.,  
 Kikuchi, N., Kojima, Y., Matsuyama, T., Nitsuma, H., Oda, H., Owa, C.,  
 Sato, K., Shibata, Y., Shigemoto, Y., Shitaki, T., Sogabe, Y., Suganara  
 Y., Suzuki, H., Suzuki, H., Tateo, M., Tomaru, Y., Tomioka, N.,  
 Watanabe, S., Yagame, M., Yamamura, T., Yokota, T., Yoshino, M.,  
 Muramatsu, M., Okazaki, Y. and Hayashizaki, Y.  
 RIKEN Mouse ESTs  
 Unpublished (1999)  
 TITLE RIKEN Mouse ESTs  
 JOURNAL Contact: Chie Owa  
 COMMENT Genome Science Laboratory  
 RIKEN  
 3-1-1 Koyadai, Tsukuba, Ibaraki 305-0074, Japan  
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Thermosensitization and thermoinactivation of thermolabile enzymes by  
 trehalose and its application for the synthesis of full length cDNA  
 (Proc. Natl. Acad. Sci. U.S.A. 95(2):520-524 (1998))  
 Transcriptional sequencing: A method for DNA sequencing using RNA  
 polymerase (Proc. Natl. Acad. Sci. U.S.A. 95(7):3455-3460 (1998))  
 Please visit our web site (<http://genome.ttc.riken.go.jp>) for  
 further details.

FEATURES  
 source Location/Qualifiers

1.319  
 /organism="Mus musculus"  
 /db\_xref="taxon:10090"  
 /clone="2610205N14"  
 /clone\_lib="Mus musculus C57BL/6J 10-day embryo"  
 /sex="mixed"  
 /dev\_stage="10-day embryo"  
 /note="Organ: mammary gland; Vector: pRT3D-Pec (Pharmacia  
 ) with a modified polylinker; Site: 1: Not I; Site 2: Eco  
 RI; 1st strand cDNA was primed with a Not I - oligo (dT)  
 primer [5].  
 TTTTACCAATCTGAGTGGAGCGCGCGATGTTTATTTTATTTTATTTTATTTTATTTT  
 T 3' ]; double-stranded cDNA was ligated to Eco RI  
 adaptors (Pharmacia), digested with Not I and cloned into  
 the Not I and Eco RI sites of the modified pRT3D vector.  
 RNA provided by Dr. Minoru Ko, Wayne State Univ. Library  
 constructed and normalized by Bento Soares and M. Fatima  
 Bonaldo."

BASE COUNT 93 a 58 c 65 g 103 t  
 ORIGIN

Query Match 1.0%; Score 19; DB 9; Length 319;  
 Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 894 TCGGAATGATTTTAAAG 912  
 DB 238 TCGGAATGATTTTAAAG 256

RESULT 28  
 LOCUS AA081640 332 bp mRNA linear EST 21-OCT-1996  
 DEFINITION AA081640.1 Stretagene neuroepithelium NT2PRMI 937234 Homo sapiens  
 cDNA clone IMAGE:547972 5', mRNA sequence.  
 AA081640  
 VERSION AA081640.1 GI:1623698  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 332)  
 Hallier, U., Lennon, G., Becker, M., Bonaldo, M.F., Chiappelli, B.,  
 Chisoe, S., Dietrich, N., Dubuque, T., Favell, A., Gish, W., Hawkins  
 M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Mardis, E., Moore  
 B., Morris, M., Parsons, J., Prange, C., Ritzin, L., Rohlfing, T.,  
 Schellberg, K., Soares, M.B., Tan, P., Thierry-Mieg, J., Treviski, E.,  
 Underwood, K., Wohlmann, P., Waterston, R., Wilson, R. and Watta, M.  
 Generation and analysis of 280,000 human expressed sequence tags  
 Genome Res. 6 (9): 807-828 (1996)  
 97044478  
 TITLE JOURNAL MEDLINE  
 COMMENT Contact: Wilson RK  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@watson.wustl.edu

This clone is available royalty-free through LNL; contact the  
 IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.  
 Seq primer: -25M13 rev2 from Amersham.

FEATURES  
 source Location/Qualifiers

1.332  
 /organism="Homo sapiens"  
 /db\_xref="GDB:392648"  
 /db\_xref="taxon:9606"  
 /clone="IMAGE:547972"  
 /clone\_lib="Stratagene neuroepithelium NT2PRMI 937234"  
 /dev\_stage="NTera-2/RAMi neuroepithelial cells"  
 /lab\_host="SOLR (kanamycin resistant)"  
 /note="Vector: pBluescript SK-; Site 1: EcoRI; Site 2:  
 XhoI; Cloned unidirectionally. Primer: Oligo dT. NT2  
 (Ntera-2/cl.D1) precursor cells induced with Retinoic  
 Acid for 1 week, followed by 3 weeks in mitotic inhibitors  
 (Replicate #2). Average insert size: 1.1 kb; Uni-ZAP XR  
 vector; -5' adaptor sequence: 5' GAATTCGGCGCGAG 3' -3'  
 adaptor sequence: 5' CTCGAGTTTATTTTATTTTATTTT 3' "

BASE COUNT 92 a 77 c 78 g 83 t 2 others  
 ORIGIN

Query Match 1.0%; Score 19; DB 9; Length 332;  
 Best Local Similarity 100.0%; Pred. No. 4.3e+02;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 370 AGCTGTTCTTCTGAATCTT 388  
 DB 236 AGCTGTTCTTCTGAATCTT 254

RESULT 29  
 LOCUS AI466079 350 bp mRNA linear EST 09-MAR-1999  
 DEFINITION AI466079.1 Soares mammary gland NDMMG Mus musculus cDNA clone  
 IMAGE:1246189 5', mRNA sequence.  
 AI466079  
 VERSION AI466079.1 GI:4320109  
 KEYWORDS EST.  
 SOURCE house mouse.